

AMENDMENT TO THE CLAIMS

1. (Currently Amended) System for remote control of apparatuses, enabling the interconnection between at least one broker and at least one remote apparatus according to the MQIsdp protocol,

wherein the system associates, with at least one of said remote apparatuses, radiocommunication means, which are external to said at least one of said remote apparatuses and are capable of internally processing a communication protocol implementing ~~API-type~~ API source functions available in a software platform (~~Open AT~~) enabling at least one application to be embedded, and

wherein said radiocommunication means are provided with a set of specific (API) functions enabling data to be exchanged with at least one server implementing said MQIsdp protocol,

so as to enable an interconnection between said at least one broker and said at least one remote apparatus via said radiocommunication means, with the latter also managing at least one application between said at least one broker and said at least one remote apparatus.

2. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein said radiocommunication means include a radiocommunication module, grouping together on a single substrate all of the radiofrequency and baseband data processing means, as well as means for managing said (API) functions and said at least one application.

3. (Previously Presented) System for remote control of apparatuses according claim 1, wherein said radiocommunication means integrate said MQIsdp protocol in the form of a library, defining said set of specific (API) functions.

4. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein at least in a first mode, said radiocommunication means manage only the signalling of a data exchange, with said data being transferred directly from a remote apparatus to a server, or the reverse.

5. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein at least in a second mode, said radiocommunication means manage the signalling of a data exchange and the transfer of said data, with the latter being temporarily stored in at least one buffer storage.

6. (Previously Presented) System for remote control of apparatuses according to claim 5, wherein the size of said at least one buffer storage is parameterable.

7. (Previously Presented) System for remote control of apparatuses according to claim 6, wherein the system operates in said first mode when the size of said at least one buffer storage is 0, and in said second mode if not.

8. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein said set of specific API functions includes functions enabling:

- ~~the~~ connection to one of said at least one broker;
- ~~the~~ sending of messages;
- ~~the~~ receiving of messages;
- configuration of at least one parameter.

9. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein at least some of said specific (API) functions are organised so as to be capable of providing at least two operations and/or acting on at least two distinct aspects, according to a predefined parameterization.

10. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein said set of (API) functions includes only 12 functions.

11. (Currently Amended) System for remote control of apparatuses according to claim 1, wherein said set of specific (API) functions includes an initialisation function (~~mqsdp-init~~) restoring default parameters, which must be called at least once before the use of other (API) functions.

12. (Currently Amended) System for remote control of apparatuses according to claim 1, wherein said set of specific (API) functions includes a function ~~(mqisd_p_resume)~~ called when an IP connection has been established.

13. (Currently Amended) System for remote control of apparatuses according to claim 1, wherein the system includes a function of establishing a connection with one of said brokers ~~(mqisd_p_connect)~~, making it possible to define parameters of said connection, and a function for disconnecting ~~(mqisd_p_disconnect)~~ said connection.

14. (Currently Amended) System for remote control of apparatuses according to claim 13, wherein said function of establishing a connection makes it possible to select a transmission mode from at least two ~~(GSM and GPRS)~~.

15. (Currently Amended) System for remote control of apparatuses according to claim 1, wherein the system includes a function ~~(mqisd_p_publish)~~ for sending a message to one of said brokers.

16. (Currently Amended) System for remote control of apparatuses according to claim 1, wherein the system includes a function for subscribing to one of said brokers ~~(mqisd_p_subscribe)~~, and a function for unsubscribing ~~(mqisd_p_unsubscribe)~~ to said broker.

17. (Previously Presented) System for remote control of apparatuses according to claim 1, wherein the system includes at least one function for requesting information on at least one aspect of a communication in progress.

18. (Currently Amended) System for remote control of apparatuses according to claim 17, wherein the system includes at least one of the functions belonging to the group including:

- a function for inquiring about the status of a connection ~~(mqisd_p_getConStatus)~~;
- a function for inquiring about the status of a given message ~~(mqisd_p_getMsgStatus)~~;
- a function for inquiring about the current size of a queue ~~(mqisd_p_getQueueSize)~~; and

- a function for inquiring about the space available in a queue (~~mqisdp_getAvailableSize~~).

19. (Currently Amended) System for remote control of apparatuses according to claim 1, wherein the system includes a function for defining the size of a queue (~~mqisdp_setQueueSize~~).

20. (Currently Amended) Method for remote control of apparatuses, enabling the interconnection between at least one broker and at least one remote apparatus according to the MQIsdp protocol,

wherein the method associates, with at least one of said remote apparatuses, radiocommunication means, which are external to said at least one of said remote apparatuses and are capable of internally processing a communication protocol implementing ~~API type~~ API source functions available in a software platform (~~Open AT~~) enabling at least one application to be embedded,

and wherein the method implements, in said radiocommunication means, a set of specific API functions enabling data to be exchanged with at least one broker implementing said MQIsdp protocol,

so as to enable an interconnection between said at least one broker and said at least one remote apparatus via said radiocommunication means, with the latter also managing at least one application between said at least one broker and said remote apparatus.

21. (Currently Amended) A radiocommunication device comprising:

a remote apparatus; and

~~radiocommunication means implemented in a system for remote control of apparatuses according to claim 1~~

radiocommunication means associated with and external to said remote apparatus for internally processing a communication protocol implementing API source functions available in a software platform enabling at least one application to be embedded, and

wherein said radiocommunication means are provided with a set of specific (API) functions enabling data to be exchanged with at least one server implementing an MQIsdp protocol,

so as to enable an interconnection between at least one broker and said remote apparatus via said radiocommunication means, with the latter also managing at least one application between said at least one broker and said remote apparatus.

22. (Previously Presented) A device comprising:

a radiocommunication module; and

comprising radiocommunication means ~~implemented in a system for remote control of apparatuses according to claim 1~~ associated with and external to the radiocommunication module for internally processing a communication protocol implementing API source functions available in a software platform enabling at least one application to be embedded, and

wherein said radiocommunication means are provided with a set of specific (API) functions enabling data to be exchanged with at least one server implementing an MQIsdp protocol.

so as to enable an interconnection between at least one broker and said radiocommunication module via said radiocommunication means, with the latter also managing at least one application between said at least one broker and said radiocommunication module.

23. (Cancelled)